

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 02/03557

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01B3/10 B29C45/16		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01B B29C		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 3 415 461 A (CHARLES ZELNICK) 10 December 1968 (1968-12-10) column 2, line 21-36; figure 2	1,3,5,7, 13-15,17 2,4,6, 8-12,16
X	US 3 437 281 A (QUENOT ANDRE) 8 April 1969 (1969-04-08) column 2, line 18-57; figures 4-6	1,5,7, 13,14,17
X	US 3 114 515 A (KANE NEIL G) 17 December 1963 (1963-12-17) column 2, line 69 -column 3, line 4	1,13,14, 17
X	US 3 443 316 A (EDGEALL JAMES E) 13 May 1969 (1969-05-13) column 3, line 52 -column 4, line 69; figures 1,12	13,14,17
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>*Z* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">19 November 2002</div>		Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">27/11/2002</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center; font-weight: bold;">Beyfuß, M</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 443 944 A (BEESLEY PHILLIP G) 24 April 1984 (1984-04-24) column 2, line 33 -column 3, line 60; figures 1-3 -----	13-17
X	US 6 182 916 B1 (LIN HENRY) 6 February 2001 (2001-02-06)	18,19,21
Y	column 2, line 31-52; figure 2 -----	20
X	US 1 465 067 A (TOTHILL WILLIAM S) 14 August 1923 (1923-08-14) page 2, line 11-41; figures 1-3 -----	18,19,21
Y	US 5 137 248 A (SATO TOSHIYUKI ET AL) 11 August 1992 (1992-08-11)	20
A	column 1, line 22-25 column 3, line 1-56 -----	22,23

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Information on patent family members

Int'l Application No
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US 3437281	A	08-04-1969	FR CH	90857 E 439769 A 01-03-1968 15-07-1967
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